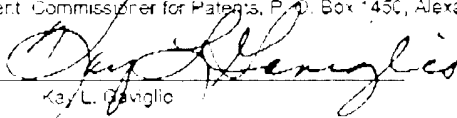


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Date: October 2, 2003

By:

  
Kay L. Daviglio

PATENT  
Docket No. GC713

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Chen et al.

Serial No.: 10/022,073

Filed: December 13, 2001

For: **TARGETED ENZYMES**

)  
)  
) Group Art Unit: 1652

)  
) Examiner: Swope, Sheridan

RESPONSE TO OFFICE ACTION MAILED APRIL 2, 2003

Mail Stop Amendment  
Commissioner of Patents  
P. O. Box 1450  
Alexandria, VA 22313 1450

Sir,

In response to the Office Action mailed April 2, 2003, please amend the above-captioned application as follows:

IN THE CLAIMS

- 1 (AMENDED) Pharmaceutical composition comprising a targeted enzyme (TE) and a pharmaceutically acceptable carrier, excipient or diluent, said TE exhibiting a catalytic activity and comprising:

- a) a substrate recognition site; and  
b) a targeting site that binds a target;

wherein

- i) the targeting site comprises a variant sequence, the variant sequence being between 1 and 50 amino acids, that is derived from a variation-tolerant sequence of a corresponding pre-targeted enzyme, wherein the variation-tolerant sequence comprises a loop;

11/10/03 10:2

**FAX COVER SHEET**

☐ Urgent  
☐ Confidential  
☐ Action Required  
☐ Reply Requested  
☐ For Your Info.

**TO:** Sheridan Swope  
PTO Examiner

**LOCATION:** Mail Stop Amendment  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

**Fax No.:** Before Final 703 872-9306

**FROM:** H. Thomas Anderton, Jr.  
Patent Counsel

**LOCATION:** GENENCOR INTERNATIONAL, INC.  
Legal Department  
925 Page Mill Road  
Palo Alto, CA 94304-1013  
Tel: 650-846-7544  
Fax: 650-845-6504

**DATE:** October 2, 2003

**NUMBER OF PAGES TO FOLLOW:** 7 **SENT BY:** klg

USSN 10/022,073

Our Ref.: GC713

Amendment and Extension of Time attached

The original of this facsimile will be sent to you via:

☐ Regular Mail ☐ Overnight Mail ☐ Hand Delivery ☒ Will Not Be Sent

☐ Please initial acknowledgment of receipt by return facsimile

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